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The diagram illustrates an MRI system. A patient is seated in a scanner (11) which includes a bore (101) and a patient support (31). The scanner is connected to a DATA ACQUISITION UNIT (151), a SEAT DRIVE SECTION (111), an RF DRIVE UNIT (141), and a GRADIENT COIL UNIT (131). These units are all connected to a central CONTROL UNIT (161). The CONTROL UNIT (161) is also connected to a DATA PROCESSING UNIT (171), which is further connected to a monitor (181) and a keyboard (191).